

Amendments to the Specification:

On page 7, line 9, please replace the paragraph with the following amended paragraph:

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The CD-ROM drive 1 of this embodiment is characterized in that the selector 15 is connected between the interface 11 and the connector 8. The selector 15 receives data from a computer 30 via the connector 8 and provides the data to the interface 11 or the firmware storing memory 7. In this embodiment, a switching signal is preferably provided to the selector 15 via a switching signal input terminal C that is an external terminal of a controller LSI 32. The selector 15 selects the firmware storing memory 7 as long as an active switching signal is provided to the selector 15. The selector 15 selects the interface 11 as long as the active switching signal is not provided to the switching signal input terminal C or the switching signal input terminal C is grounded[[],]. The connector 8 conforms to the SCSI or ATAPI specifications, for example, that are unified with a connector 31 of the computer 30.

On page 10, line 1, please replace the paragraph with the following amended paragraph:

ps
By switching the selector 15 in this manner, firmware is directly written to the firmware storing memory 7 by the firmware writer. Accordingly, after the firmware is written, the memory 7 needs not to be mounted on a PC board and the mask ROM 12 for writing firmware becomes unnecessary, thereby reducing the manufacturing cost of a controller. Hereupon, the selector 15 performs switching operation in response to a switching signal provided to the switching signal input terminal C. Accordingly, the switching operation of the selector 15 can be performed using the external terminal of the controller LSI 32 as the switching input terminal C. Further, since the connector 8 and the firmware storing memory 7 are connected without passing through the microcomputer 6, writing of the firmware can be performed without operating the microcomputer 6. Further, since the connector 8 for connecting the computer 30 is used as a terminal for writing firmware, it is not necessary to provide an exclusive terminal for writing the firmware, and the increase of costs is prevented.

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Page : 3 of 12

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On page 11, line 3, please replace the paragraph with the following amended paragraph:

R The controller 32 of the CD-ROM drive 1 includes the data processing circuit 4 and is integrated as an LSI. Although the selector 15 may also be mounted outside the LSI as an additional component, it is preferable that the selector 15 be integrated in the LSI. In particular, if the firmware storing memory 7 is integrated in the LSI, the firmware write wires 17 are also integrated in the LSI. So, the controller 32 is made more compact and the manufacturing costs are reduced. The microcomputer 6 and the buffer RAM 5 may also be integrated in the LSI.

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